



Water-Data Report CA-2005

11230200 HOOPER CREEK BELOW DIVERSION DAM, NEAR FLORENCE LAKE, CA

San Joaquin River Basin

LOCATION.--Lat 37°18'21", long 118°56'59" referenced to North American Datum of 1927, Fresno County, Hydrologic Unit 18040006, unsurveyed, in Sierra National Forest, on left bank, 300 ft downstream from diversion dam, 0.7 mi upstream from mouth, 2.5 mi north of Florence Lake, and 17.6 mi northeast of town of Big Creek.

DRAINAGE AREA.--7.22 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1986 to current year. Prior to October 1991, published as "Hooper Creek at diversion dam near Florence Lake."

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 7,440 ft above NGVD of 1929, from topographic map.

REMARKS.--Flow regulated by diversion dam 300 ft upstream. Most of the water is diverted at the diversion dam to Florence Lake (station 11229600). See schematic diagram of upper San Joaquin River Basin.

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project nos. 67 and 120.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 112 ft³/s, July 17, 1995; minimum daily, 0.50 ft³/s, estimated, during period of ice effect, Dec. 23, 2002.

11230200 HOOPER CREEK BELOW DIVERSION DAM, NEAR FLORENCE LAKE, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.9	2.5	2.1	e2.5	2.8	2.9	5.5	13	14	2.8	3.6	4.7
2	1.9	2.6	2.1	e2.5	2.8	2.9	5.5	14	15	2.1	3.5	4.6
3	1.9	2.6	2.2	e2.3	2.8	2.9	5.1	11	6.8	4.5	3.4	4.5
4	1.9	2.5	2.0	e2.3	2.8	2.9	5.3	5.8	5.0	7.8	3.4	4.4
5	1.9	2.4	2.0	e2.0	2.8	3.0	6.1	5.8	3.7	7.5	3.2	4.3
6	1.8	2.4	2.0	e2.0	2.8	3.0	8.1	5.6	33	7.5	3.1	4.2
7	1.8	2.6	2.0	e2.1	2.8	3.3	8.4	5.5	28	7.6	3.2	4.1
8	1.8	2.9	2.2	2.3	2.7	3.7	7.3	5.5	3.9	7.5	3.1	4.1
9	1.8	3.0	2.3	2.7	2.7	4.2	7.1	5.6	3.7	7.2	2.8	4.2
10	1.8	2.9	2.3	2.9	2.7	4.7	6.9	5.5	3.1	6.4	2.8	4.1
11	1.8	2.8	2.3	3.2	2.8	5.3	7.7	4.8	3.0	6.2	2.5	4.1
12	1.8	2.6	2.3	3.3	3.0	5.9	8.4	4.4	2.9	6.0	2.5	4.1
13	1.8	2.5	2.2	2.8	2.9	6.6	8.5	4.4	3.4	6.1	2.5	4.0
14	1.7	2.4	2.2	2.5	3.0	6.3	8.7	4.4	6.5	6.1	2.5	3.9
15	1.6	2.3	2.1	2.5	3.0	5.7	9.8	4.4	6.7	6.0	2.5	3.8
16	1.7	2.4	2.1	2.4	3.1	5.4	12	4.4	5.1	5.9	2.7	3.8
17	2.1	2.4	2.1	2.5	3.1	5.1	13	4.2	6.4	5.9	3.1	3.7
18	2.0	2.4	2.1	2.5	3.0	4.8	14	4.2	6.3	5.8	3.0	3.6
19	2.1	2.3	2.1	2.7	2.9	5.0	13	4.2	5.6	4.6	3.0	3.5
20	2.4	2.2	2.1	2.9	3.0	5.2	13	4.3	5.5	3.7	3.0	3.8
21	2.5	2.4	2.1	3.0	3.1	5.1	13	4.3	5.5	3.6	3.0	4.4
22	2.4	2.3	2.0	3.1	3.1	5.6	12	4.3	5.0	3.6	2.9	3.7
23	2.3	2.2	2.0	3.1	3.0	6.1	12	4.3	4.1	3.6	2.9	3.5
24	2.4	2.2	2.1	3.0	2.9	5.4	11	4.5	4.0	3.6	2.9	3.5
25	2.4	2.3	2.0	2.9	2.9	5.1	12	11	4.0	3.6	2.9	3.4
26	1.9	2.2	2.0	3.0	2.9	5.1	12	19	3.9	3.5	2.9	4.9
27	2.9	2.3	2.1	2.9	2.8	5.1	12	19	3.4	3.6	2.8	5.3
28	2.5	e2.8	2.1	2.8	3.0	5.1	12	24	2.7	3.6	2.7	3.2
29	2.5	e2.8	e3.0	2.9	---	4.9	12	12	2.9	3.6	3.2	3.2
30	2.5	e2.4	e2.2	2.8	---	4.7	13	5.6	3.1	3.6	3.8	3.2
31	2.4	---	e2.2	2.8	---	5.0	---	7.6	---	3.5	4.0	---
Total	64.2	74.6	66.6	83.2	81.2	146.0	294.4	236.6	206.2	156.6	93.4	119.8
Mean	2.07	2.49	2.15	2.68	2.90	4.71	9.81	7.63	6.87	5.05	3.01	3.99
Max	2.9	3.0	3.0	3.3	3.1	6.6	14	24	33	7.8	4.0	5.3
Min	1.6	2.2	2.0	2.0	2.7	2.9	5.1	4.2	2.7	2.1	2.5	3.2
Ac-ft	127	148	132	165	161	290	584	469	409	311	185	238

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.58	2.54	2.37	2.68	2.59	3.94	6.54	9.72	12.0	11.0	4.43	2.77
Max	4.75	4.54	3.57	10.2	5.14	8.03	18.8	60.9	45.7	68.3	18.8	4.76
(WY)	(1996)	(1999)	(1999)	(1997)	(1997)	(1997)	(1997)	(1997)	(1998)	(1995)	(1995)	(1998)
Min	1.68	1.82	1.59	1.55	1.55	2.10	3.07	2.50	2.42	2.59	2.32	1.85
(WY)	(1991)	(1991)	(1989)	(1991)	(1991)	(1990)	(1996)	(1991)	(2002)	(2002)	(1989)	(2002)

11230200 HOOPER CREEK BELOW DIVERSION DAM, NEAR FLORENCE LAKE, CA—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1987 - 2005	
Annual total	1,198.0	1,622.8		
Annual mean	3.27	4.45	5.27	
Highest annual mean			15.6	1995
Lowest annual mean			2.39	2002
Highest daily mean	13	Apr 10	33	Jun 6 Jul 17, 1995
Lowest daily mean	1.6	Oct 15	1.6	Oct 15 e0.50 Dec 23, 2002
Annual seven-day minimum	1.7	Sep 11	1.7	Oct 10 1.2 Dec 21, 2002
Annual runoff (ac-ft)	2,380	3,220	3,820	
10 percent exceeds	5.2	7.6	7.1	
50 percent exceeds	2.5	3.1	2.8	
90 percent exceeds	1.9	2.1	1.9	

e Estimated, during period of ice effect.

